

FORM PTO-1390 (Modified)  
(REV 11-98)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

71-01

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5)

09/831763

INTERNATIONAL APPLICATION NO.  
PCT/DE 00/00133INTERNATIONAL FILING DATE  
January 11, 2000PRIORITY DATE CLAIMED  
January 21, 1999

TITLE OF INVENTION

**METHOD OF ELECTROLYTICALLY FORMING CONDUCTOR STRUCTURES FROM HIGHLY  
PURE COPPER WHEN PRODUCING INTEGRATED CIRCUITS**

APPLICANT(S) FOR DO/EO/US

Heinrich Meyer, Andreas Thies

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☐ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ A copy of the International Search Report (PCT/ISA/210).
8. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
9. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 13 to 20 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☒ Certificate of Mailing by Express Mail
20. ☐ Other items or information:

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.53)

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71-01

21. The following fees are submitted:

**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :**

- ☐ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$970.00
- ☒ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... ~~\$840.00~~ **\$860.00**
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$690.00
- ☐ International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$670.00
- ☐ International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$96.00

**ENTER APPROPRIATE BASIC FEE AMOUNT =**Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	14 - 20 =	0	x \$18.00
Independent claims	1 - 3 =	0	x \$78.00

Multiple Dependent Claims (check if applicable). ☒**TOTAL OF ABOVE CALCULATIONS =**Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable). ☐**SUBTOTAL =**Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).**TOTAL NATIONAL FEE =**Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). ☐**TOTAL FEES ENCLOSED =**Amount to be:  
refunded \$  
charged \$☒ A check in the amount of **\$1,170.00** to cover the above fees is enclosed.☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **16-0750** A duplicate copy of this sheet is enclosed.**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

John F. McNulty, Esquire  
Paul & Paul  
2900 Two Thousand Market Street  
Philadelphia, PA 19103  
(215) 568-4900

SIGNATURE

John F. McNulty

NAME

23,028

REGISTRATION NUMBER

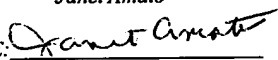
May 3, 2001

DATE

**PATENT**

**IN THE UNITED STATES PATENT OFFICE**

Serial No.: Not yet assigned  
Filed: Herewith  
For: METHOD OF ELECTROLYTICALLY  
FORMING CONDUCTOR STRUCTURES  
FROM HIGHLY PURE COPPER WHEN  
PRODUCING INTEGRATED CIRCUITS  
Inventors: Heinrich Meyer, Andreas Thies  
Atty Doc. No.: 71-01

"EXPRESS MAIL" MAILING LABEL NO:  
ELO18403328US  
DATE OF DEPOSIT May 11, 2001  
I HEREBY CERTIFY THAT THIS PAPER IS  
BEING DEPOSITED WITH THE UNITED  
STATES POST OFFICE "EXPRESS MAIL POST  
OFFICE TO ADDRESSEE" SERVICE UNDER  
37 C.F.R. § 1.10 ON THE DATE INDICATED  
ABOVE AND IS ADDRESSED TO THE  
COMMISSIONER OF PATENTS AND  
TRADEMARKS, WASHINGTON, D.C. 20231.  
NAME OF PERSON MAILING PAPER OR FEE  
Janet Amato  
SIGNATURE: 

***EXPRESS MAIL COVER LETTER***

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Dear Sir:

Enclosed and attached hereto are the following documents:

- (1) Express Mail Cover Letter;
- (2) Transmittal Form (in duplicate);
- (3) Specification (20 pages);
- (4) Claims (3 pages);
- (5) Abstract (1 page);
- (6) Certification of translation (1 page);
- (7) 1 Drawing (in triplicate);
- (8) Declaration and Power of Attorney (2 pages);

- (9) Preliminary Amendment and replacement pages 22-23;
- (10) Copy of PCT ANTRAG (Request) with German language copy of application;
- (11) Copy International Search Report, dated May 30, 2000;
- (12) International Preliminary Examination Report, dated October 30, 2000;
- (13) Information Disclosure Statement;
- (14) Check in the amount of \$1130.00 application filing fee;
- (15) Assignment recordation sheet with PTO form <sup>1593</sup>~~1449~~;
- (16) Check in the amount \$40.00 recordation fee; and
- (17) Paul & Paul postcard to be returned by the PTO.

THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY ADDITIONAL FEES ASSOCIATED WITH THIS COMMUNICATION, OR CREDIT ANY OVERPAYMENT, TO PAUL & PAUL DEPOSIT ACCOUNT NO. 16-0750, ORDER NO. 0337.

Respectfully submitted,



John F. McNulty  
Reg. No. 23,028  
Paul & Paul  
2900 Two Thousand Market St.  
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(215) 568-4900